



Government of Western Australia
Department of Environment Regulation

Your ref: L4893/1992/14
Our ref: 2010/006078
Enquiries: Brad Cox
Phone: 08 9725 4300
Fax: 08 9725 4351
Email: bradley.cox@der.wa.gov.au

Mr Gordon Groth
Water Corporation
PO Box 100
LEEDERVILLE WA 6902

Dear Mr Groth

ENVIRONMENTAL PROTECTION ACT 1986: LICENCE GRANTED

Premises

Harvey Wastewater Treatment Plant
Lot 270 on Plan 157787, Lot 271 on Diagram 27968 and Lot 272 on Plan 5634, Reserve 34796
Davies Rd, Wokalup WA 6221
Licence Number: L4893/1992/14

A licence under the *Environmental Protection Act 1986* (the Act) has been granted for the above premises. The Department of Environmental Regulation will advertise the issuing of this licence in the public notices section of *The West Australian* newspaper.

The licence includes attached conditions. Under Section 58(1) of the Act, it is an offence to contravene a condition of a licence. This offence carries a penalty of up to \$125,000 and a daily penalty of up to \$25,000

In accordance with section 102(1)(c) of the Act, you have 21 days to appeal the conditions of the licence. Under section 102(3)(a) of the Act, any other person may also appeal the conditions of the licence. To lodge an appeal contact the Office of the Appeals Convenor on 6467 5190 or by email at admin@appealsconvenor.wa.gov.au.

Where a licence is issued for more than one year it requires payment of an annual fee and will cease to have effect if the fee is unpaid. It is the occupier's responsibility to lodge a fee application and pay the annual fee in sufficient time to avoid incurring a late payment fee and for processing to be completed before the licence anniversary date. If you have any queries regarding the above information, please contact Brad Cox on 9725 4300.

Yours sincerely

Mark Whiteley
Officer delegated under Section 20
of the *Environmental Protection Act 1986*

Thursday, 24 October 2013

enc: *Environmental Protection Act 1986* Licence L4893/1992/14

WESTERN AUSTRALIA
DEPARTMENT OF ENVIRONMENT REGULATION

Environmental Protection Act 1986

LICENCE

LICENCE NUMBER: L4893/1992/14

FILE NUMBER: 2010/006078

NAME OF OCCUPIER:

Water Corporation

ADDRESS OF OCCUPIER:

629 Newcastle St
Leederville WA 6902

NAME AND LOCATION OF PREMISES:

Harvey Wastewater Treatment Plant
Lot 270 on Plan 157787, Lot 271 on Plan 27968, Lot 272 on Plan 5634
Wokalup WA 6221

Environmental Protection Regulations 1987

CLASSIFICATION(S) OF PREMISES:

Category 54 : Sewage facility

COMMENCEMENT DATE OF LICENCE:

Friday, 1 November 2013

EXPIRY DATE OF LICENCE:

Wednesday, 31 October 2018

CONDITIONS OF LICENCE:

As described and attached:

DEFINITIONS

GENERAL CONDITION(S) 2

WATER POLLUTION CONTROL CONDITION(S) 6

SOLID WASTE CONTROL CONDITION(S) 1

ATTACHMENT(S) 2

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Officer delegated under Section 20
of the *Environmental Protection Act 1986*

Date of Issue: Thursday, 24 October 2013

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DEPARTMENT OF ENVIRONMENT REGULATION

Environmental Protection Act 1986

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PREAMBLE

Applicability

This licence is issued to the Water Corporation for the operation of the Harvey Wastewater Treatment Plant located at Lot 270 on Plan 157787, Lot 271 on Plan 27968 and Lot 272 on Plan 5634, Wokalup which includes but is not necessarily limited to, the following operations:

- Treatment of wastewater to a secondary standard through a series of three treatment ponds prior to flowing either directly to the Harvey Diversion Drain or through a woodlot and wetland, with overflow discharge to the Harvey Diversion Drain.

This facility is prescribed within Schedule 1 of the *Environmental Protection Regulations 1987* as outlined in Table 1.

Table 1: Category under which Harvey WWTP is prescribed

Category	Category Name	Category Description
54	Sewage facility	Premises (a) on which sewage is treated (excluding septic tanks) or; (b) from which treated sewage is discharged onto land or into water.

Nominal Rated Throughput

The nominal design capacity covered by this licence is 1100 cubic metres per day.

Treatment Plant Performance

The Director expects the Licensee to operate the treatment plant to achieve a target discharge contaminant concentration in treated wastewater of:

- (a) 5-day Biochemical Oxygen Demand less than 20 mg/L;
- (b) Total Phosphorus less than 2mg/L;
- (c) *Escherichia coli* less than 1,000 organisms per 100mL in treated wastewater discharged from the Premises.

CONDITIONS OF LICENCE

DEFINITIONS

In these conditions of licence, unless inconsistent with the text or subject matter:

"advise" and "inform" means advise and inform by telephone, e-mail or facsimile in writing;

'AS/NZS 5667' means the current version of Australian Standard / New Zealand Standard 5667 – Water quality – Sampling;

"AS3780" means Australian Standard 3780-1994: *The storage and handling of corrosive substances*.

"Director" means Director, Environmental Regulation Division of the Department of Environment Regulation for and on behalf of the Chief Executive Officer as delegated under Section 20 of the *Environmental Protection Act 1986*;

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"Director" and "Department of Environment Regulation" for the purpose of correspondence means-

Department of Environment Regulation
South West Regional Office
PO Box 1693
BUNBURY WA 6231

Telephone: 9725 4300
Facsimile: 9725 4351

Email: southwestregion.industryregulation@der.wa.gov.au

"licensee" means Water Corporation;

"mg/L" and "m³/day" mean milligrams per litre and cubic metres per day, respectively; and

"premises" means Harvey Wastewater Treatment Plant located at Lot 270 on Plan 157787, Lot 271 on Plan 27968 and Lot 272 on Plan 5634 Acacia Road, Wokalup (as depicted in Attachment 1).

GENERAL CONDITIONS

MONITORING AND REPORTING

- G1 The licensee shall provide to the Director, by **1 September each year**, an Annual Monitoring Report containing data collected over the previous financial year (**1 July to 30 June**). The report shall contain but not be limited to:
- (i) monitoring data or other collected data required by any condition of this licence;
 - (ii) an assessment of the data against any limits set or other environmental guidelines, targets or policies referred to in this licence and data from previous years' monitoring;
 - (iii) a summary of any data exceeding those limits, guidelines, targets or policies including information on why the exceedance occurred (if known) and action taken by the Licensee to prevent recurrence of such exceedances.
 - (iv) a summary of the number and type of complaints received;
 - (v) any changes to site boundaries, location of groundwater monitoring bores, surface drainage channels and on-site or off-site impacts or pollution; and
 - (vi) a list of any monitoring methods used to collect and analyse data required by any condition of this licence to demonstrate they comply with the methods specified in this licence.
- G2 The licensee shall by 1 September in each year, provide to the Director an annual audit compliance report in the form of Attachment 2 to this licence, signed and certified in the manner required by Section C of the form, indicating the extent to which the licensee has complied with the conditions of this licence, and any previous licence issued under Part V of the Act for the Premises, during the period beginning 1 July the previous year and ending on 30 June in that year.

WATER POLLUTION CONTROL CONDITIONS

MAINTENANCE OF WASTEWATER TREATMENT PONDS

- W1 The licensee shall manage the wastewater treatment ponds such that:
- (i) uncontaminated stormwater runoff resulting from roof and site drainage shall not enter the wastewater treatment ponds or cause erosion of outer pond embankments;

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- (ii) overtopping of the ponds shall not occur except as a result of an extreme rainfall event [greater than a 1 in 100 year event of 72 hours duration];
- (iii) there is no discernible seepage loss from the treatment ponds;
- (iv) vegetation (emergent or otherwise) and debris shall be routinely removed from pond wastewaters or inner pond embankments; and
- (v) trapped overflows shall be minimized around the discharge from all wastewater treatment ponds to prevent carry-over of surface floating matter to subsequent ponds.

FLOW MONITORING DEVICE

- W2 The licensee shall maintain metering devices for measuring **monthly cumulative volumes** of treated wastewater discharged from the treatment plant to the Harvey Diversion Drain. The monthly flow results shall be presented in the next annual monitoring report in a tabular format in m³/day.

ENVIRONMENTAL MONITORING PROGRAMME

- W3 The licensee shall take and have analysed, representative water samples from Table 1 at the monitoring sites shown in Column 1, at the frequency shown in Column 2 for the parameters shown in Column 3:

Column 1	Column 2	Column 3
Monitoring site	Sampling frequency	Parameters to be measured
Discharge from the final treatment pond to the Harvey Diversion Drain	Monthly	pH, 5-day Biochemical Oxygen Demand, Total Dissolved Solids, Total Suspended Solids, Nitrate + Nitrite-nitrogen, Ammonium-nitrogen, Total Nitrogen, Total Phosphorus and <i>Escherichia coli</i> .

Table 1: With the exception of pH and *Escherichia coli*, all measurements are to be reported in mg/L.

SAMPLE ANALYSIS

- W4(a) The licensee shall collect all water samples in accordance with the relevant parts of Australian Standard 5667.
- W4(b) The licensee shall submit all water samples to a laboratory with current NATA accreditation for the analyses specified, and analysed in accordance with the current "Standard Methods for Examination of Water and Wastewater-APHA-AWWA-WEF".

CALCULATION OF CONTAMINANT LOAD

- W5 The licensee shall determine the monthly load of each contaminant in the treated wastewater discharged from the final pond and into the Harvey Drain (except pH and *Escherichia coli*) using flow-weighted data. The loads shall be based on the treated wastewater discharge rates and the concentrations as measured in accordance with condition W2 and W3. Monthly and annual average loads of the contaminants shall be reported in the Annual Monitoring Report in kilograms per day.

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BUNDING AND CONTAINMENT

- W6(a) The licensee shall store environmentally hazardous chemicals including alum and hypochlorite (where the total volume of each substance stored on the premises exceeds 250 litres) in accordance with AS3780.
- W6(b) The licensee shall ensure that perimeter valves on bunded areas are locked or otherwise secured in the closed position whilst the site is unattended.

SOLID WASTE POLLUTION CONTROL CONDITION

POND AND SOLIDS MANAGEMENT

- S1(a) The licensee shall dispose of collected vegetation and floating debris from the treatment ponds to a licensed or registered landfill.
- S1(b) The licensee shall:
- (i) inform the Director prior to taking a treatment pond offline for maintenance works;
 - (ii) inform the Director no less than 14 days prior to the removal of sewage sludge from a treatment pond;
 - (iii) where sewage sludge is temporarily stored on-site, direct sewage sludge to a hard-stand area or approved drying bed which;
 - (a) is adequately bunded to prevent surface runoff of leachate or sludge from crossing the boundary of the Premises; and
 - (b) return sludge leachate from the storage area back to the treatment ponds.
- S1(c) The licensee shall dispose of sludge and biosolids in accordance with the document *Western Australian Guidelines Biosolids Management*, Department of Environment and Conservation (December, 2012).


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Officer delegated under Section 20
of the *Environmental Protection Act 1986*

Date of issue: Thursday, 24 October 2013

ATTACHMENT 1 – PLAN OF PREMISES

LICENCE NUMBER: L4893/1992/14

FILE NUMBER: 2010/006078



ATTACHMENT 2 – ANNUAL AUDIT COMPLIANCE REPORT

LICENCE NUMBER: L4893/1992/14

FILE NUMBER: 2010/006078

SECTION A

LICENCE DETAILS

Licence Number:	Licence File Number:
Company Name:	ABN:
Trading as:	
Reporting period: _____ to _____	

STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS

1. Were all conditions of licence complied with within the reporting period? (please tick the appropriate box)

Yes ☐ Please proceed to Section C
No ☐ Please proceed to Section B

Each page must be initialed by the person(s) who signs Section C of this annual audit compliance report

INITIAL: _____

ATTACHMENT 2 – ANNUAL AUDIT COMPLIANCE REPORT

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SECTION B

DETAILS OF NON-COMPLIANCE WITH LICENCE CONDITION.

Please use a separate page for each licence condition that was not complied with.

a) Licence condition not complied with?	
b) Date(s) when the non compliance occurred, if applicable?	
c) Was this non compliance reported to DEC?	
<input type="checkbox"/> Yes <input type="checkbox"/> Reported to DEC verbally Date _____ <input type="checkbox"/> Reported to DEC in writing Date _____	<input type="checkbox"/> No
d) Has DEC taken, or finalised any action in relation to the non compliance?	
e) Summary of particulars of non compliance, and what was the environmental impact?	
f) If relevant, the precise location where the non compliance occurred (attach map or diagram)	
g) Cause of non compliance	
h) Action taken or that will be taken to mitigate any adverse effects of the non compliance	
i) Action taken or that will be taken to prevent recurrence of the non compliance	

Each page must be initialed by the person(s) who signs Section C of this annual audit compliance report

INITIAL: _____

ATTACHMENT 2 – ANNUAL AUDIT COMPLIANCE REPORT

LICENCE NUMBER: L4893/1992/14

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SECTION C - SIGNATURE AND CERTIFICATION

This Annual Audit Compliance Report may only be signed by a person(s) with legal authority to sign it. The ways in which the Annual Audit Compliance Report must be signed and certified, and the people who may sign the statement, are set out below.

Please tick the box next to the category that describes how this Annual Audit Compliance Report is being signed. If you are uncertain about who is entitled to sign or which category to tick, please contact the licensing officer for your premises.

If the licence holder is		The Annual Audit Compliance Report must be signed and certified:
an individual	<input type="checkbox"/>	by the individual licence holder, or
	<input type="checkbox"/>	by a person approved in writing by the Chief Executive Officer of the Department of Environment Regulation to sign on the licensee's behalf.
A firm or other unincorporated company	<input type="checkbox"/>	by the principal executive officer of the licensee; or
	<input type="checkbox"/>	by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A corporation	<input type="checkbox"/>	by affixing the common seal of the licensee in accordance with the Corporations Act 2001; or
	<input type="checkbox"/>	by two directors of the licensee; or
	<input type="checkbox"/>	by a director and a company secretary of the licensee, or
	<input type="checkbox"/>	if the licensee is a proprietary company that has a sole director who is also the sole company secretary – by that director, or
	<input type="checkbox"/>	by the principal executive officer of the licensee; or
	<input type="checkbox"/>	by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A public authority (other than a local government)	<input type="checkbox"/>	by the principal executive officer of the licensee; or
	<input type="checkbox"/>	by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
a local government	<input type="checkbox"/>	by the chief executive officer of the licensee; or
	<input type="checkbox"/>	by affixing the seal of the local government.

It is an offence under section 112 of the Environmental Protection Act 1986 for a person to give information on this form that to their knowledge is false or misleading in a material particular. There is a maximum penalty of \$50,000 for an individual or body corporate.

I/We declare that the information in this annual audit compliance report is correct and not false or misleading in a material particular.

SIGNATURE:

SIGNATURE:

NAME: (printed)

NAME: (printed)

POSITION:

POSITION:

DATE:

DATE:

SEAL (if signing under seal)